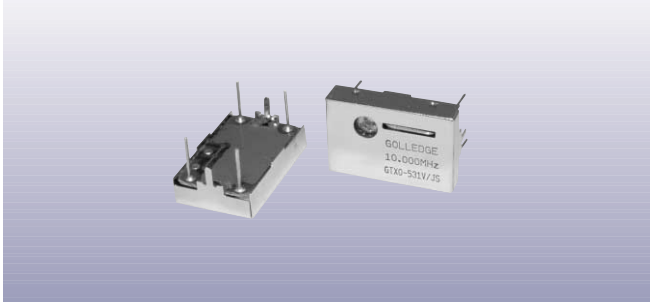
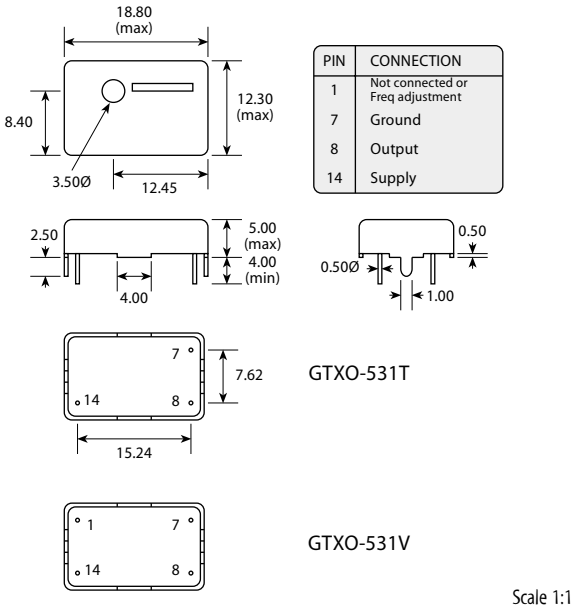
5V TCXO Clipped Sine

GTXO-531





PIN	CONNECTION
1	Not connected or Freq adjustment
7	Ground
8	Output
14	Supply

Features

- **Clipped Sine output**
- **Up to 45.0MHz**
- **Excellent frequency stability**
- **Wide temperature range**
- **Low cost for volume production**

Standard Frequencies

Frequencies in MHz	
9.600	14.400
10.000	15.360
12.800	19.200
13.000	20.000

Other frequencies available. Please consult our sales office.

Frequency Stability

The table shows option codes for the available combinations of frequency stability (in ppm) and temperature range.

	±5.0	±3.0	±2.5	±2.0	±1.5	±1.0
-40 to +85°C	LI	-	-	-	-	-
-30 to +75°C	LS	KS	JS	-	-	-
-20 to +70°C	LN	KN	JN	-	-	-
-10 to +60°C	LC	KC	JC	HC	GC	-
0 to +50°C	LR	KR	JR	HR	GR	FR

Specifications

GTXO-531T: Internal trimmer

GTXO-531V: Voltage adjustment + internal trimmer

Parameters		Variant T	Variant V	Option Codes
Package style:	GTXO-531T	■		
	GTXO-531V		■	
Frequency range:	9.0 ~ 45.0MHz	■	■	
Frequency stability:	±5.0ppm	□	□	L
	±3.0ppm	□	□	K
	±2.5ppm	■	■	J
	±2.0ppm	□	□	H
	±1.5ppm	□	□	G
	±1.0ppm	□	□	F
Temperature range:	0 to +50°C	□	□	R
	-10 to +60°C	□	□	C
	-20 to +70°C	□	□	N
	-30 to +75°C	■	■	S
	-40 to +85°C	□	□	I
Storage temperature range:	-40 to +85°C	■	■	
Frequency vs supply voltage:	±0.3ppm (V_{DD} ±5%)	■	■	
Ageing:	±1.0ppm max first year	■	■	
Supply voltage (V_{DD}):	+5.0V (±5%)	■	■	
Supply current:				
	2mA max (<20.0MHz)	■	■	
	3mA max (20.0 ~ 30MHz)	■	■	
	5mA max (>30.0MHz)	■	■	
Output waveform:	Clipped sine, 1.0V p-p	■	■	
Test load:	10kΩ // 10pF	■	■	
Frequency adjustment:				
	±3ppm min by internal trimmer	■	■	
	±8 ~ ±15ppm, +2.5 ±2V		■	

■ Standard. □ Optional - Please specify required code(s) when ordering

Ordering Information

Product name + variant + option codes + frequency

eg: **GTXO-531V/JS 10.0MHz** ±2.5ppm -30+75°C (standard)

GTXO-531V/LI 12.80MHz ±5.0ppm -40+85°C

Option code X (eg GTXO-531V/X) denotes a custom spec.

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Golledge

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